

FIG. 1

Application Level

130

Protocol Analysis Framework

126

Decode Management API (DLL)

128

Default Handler
Data/Algorithm
(DLL) 133

Protocol Specific
Data/Algorithm
(DLL) 132

Protocol Specific
Data/Algorithm
(DLL) 132

Protocol Specific
Data/Algorithm
(DLL) 132

Protocol Specific
Data/Algorithm
(DLL) 132

Decode / Filtering Engine (DLL)

134

FIG. 2

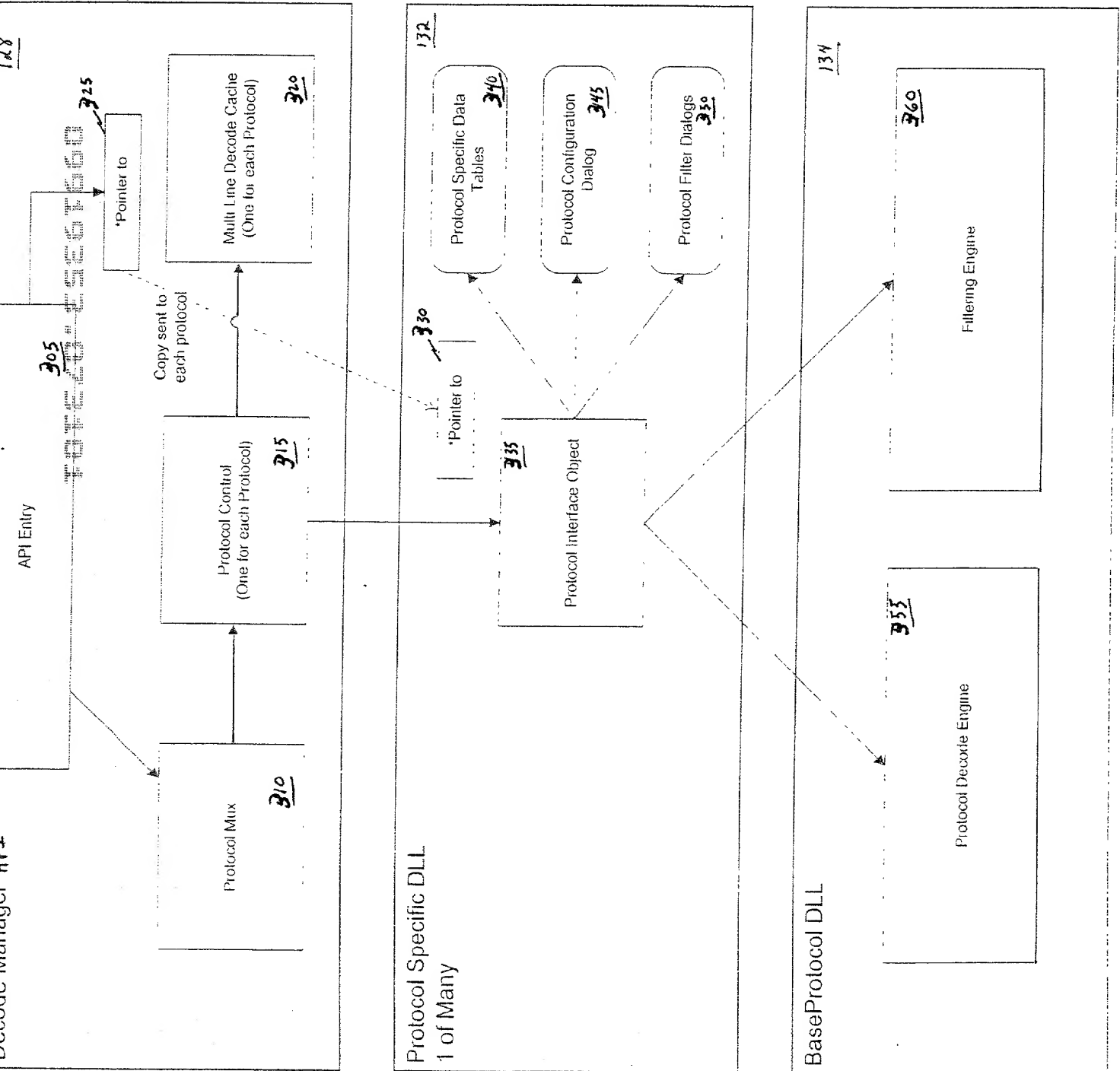


FIG. 3.

Decoded Decode Manager
Detailed Block Diagram

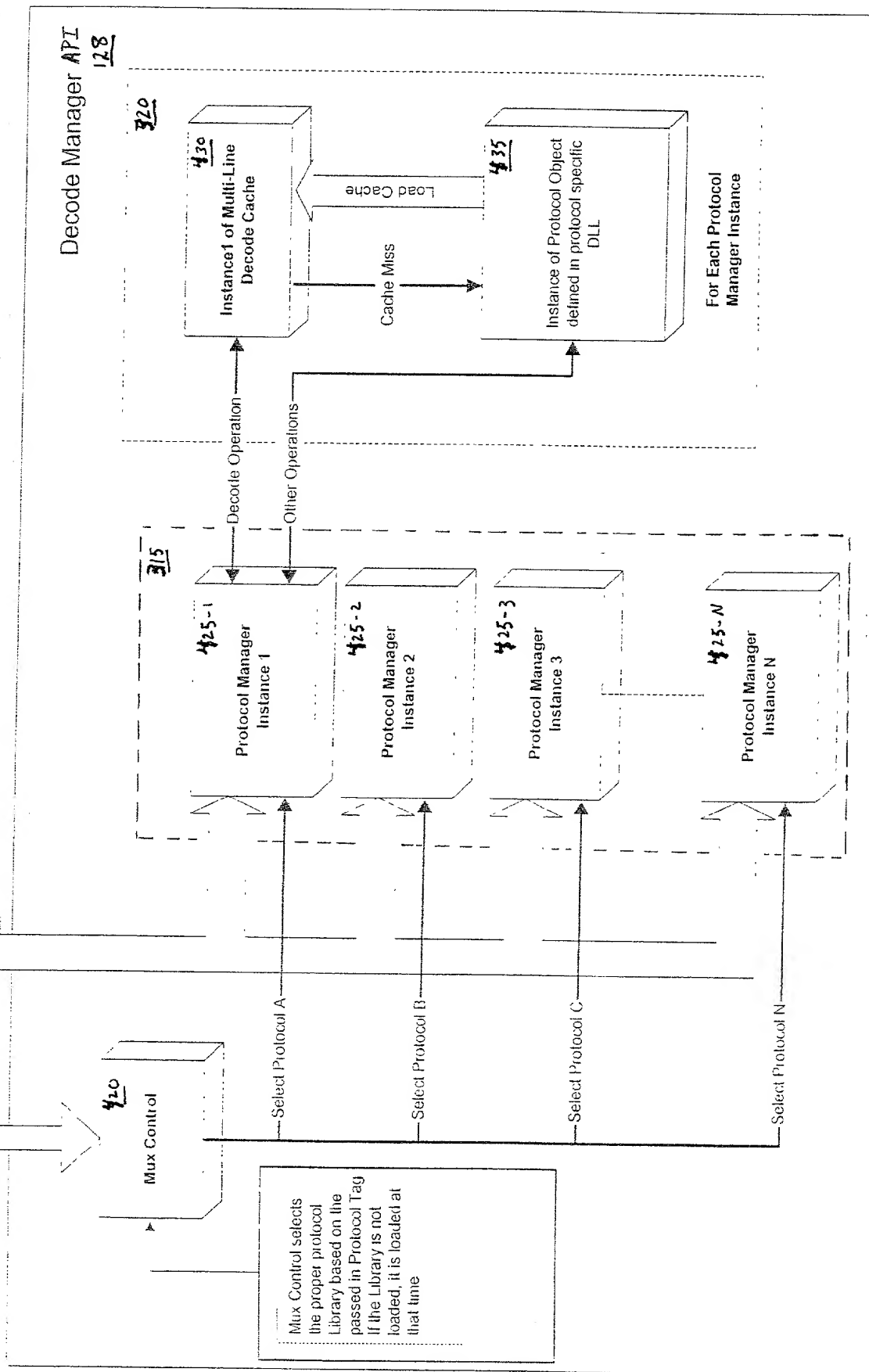


FIG. 4

API function call to library module routing algorithm flowchart

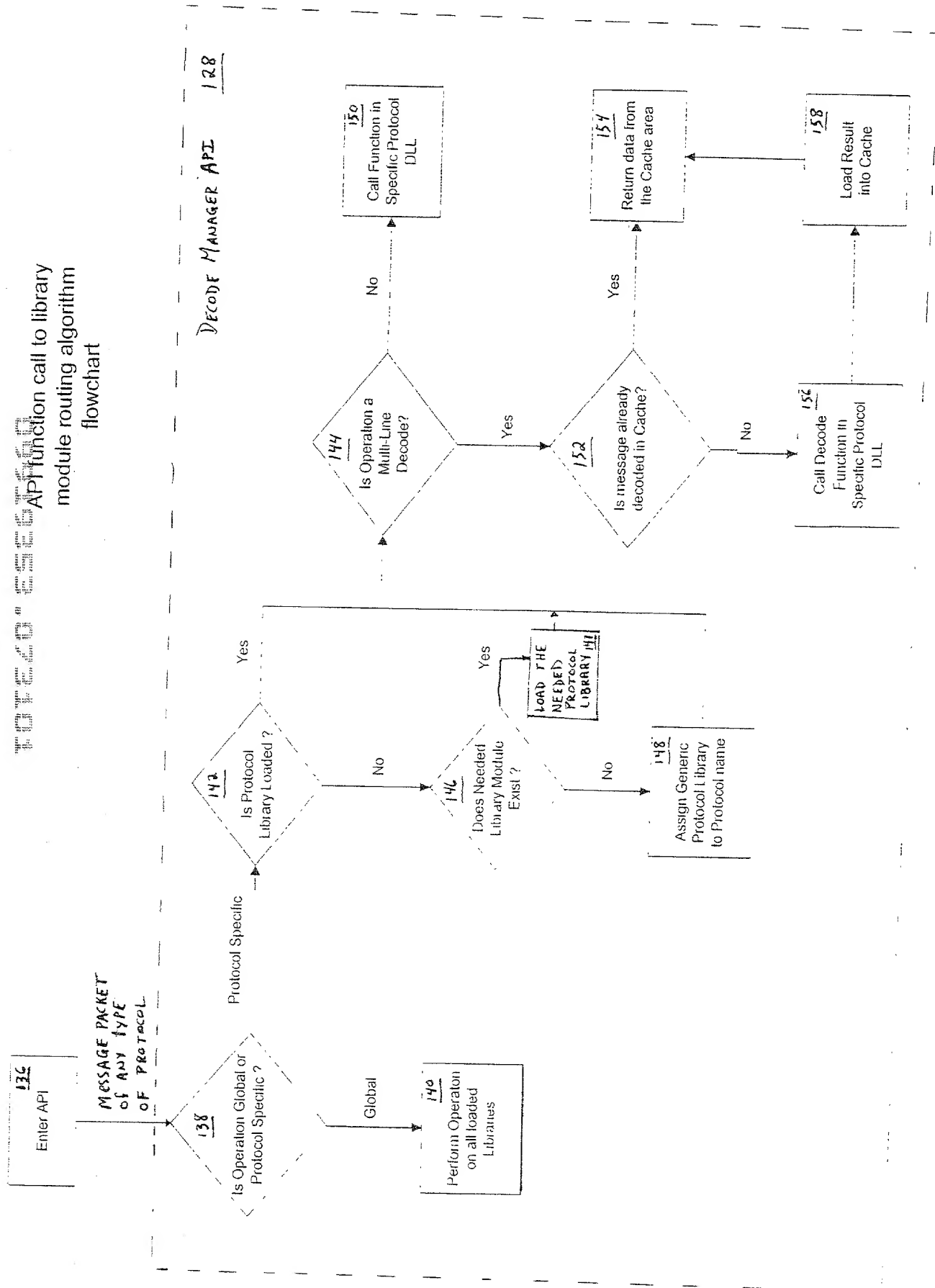


Fig. 35

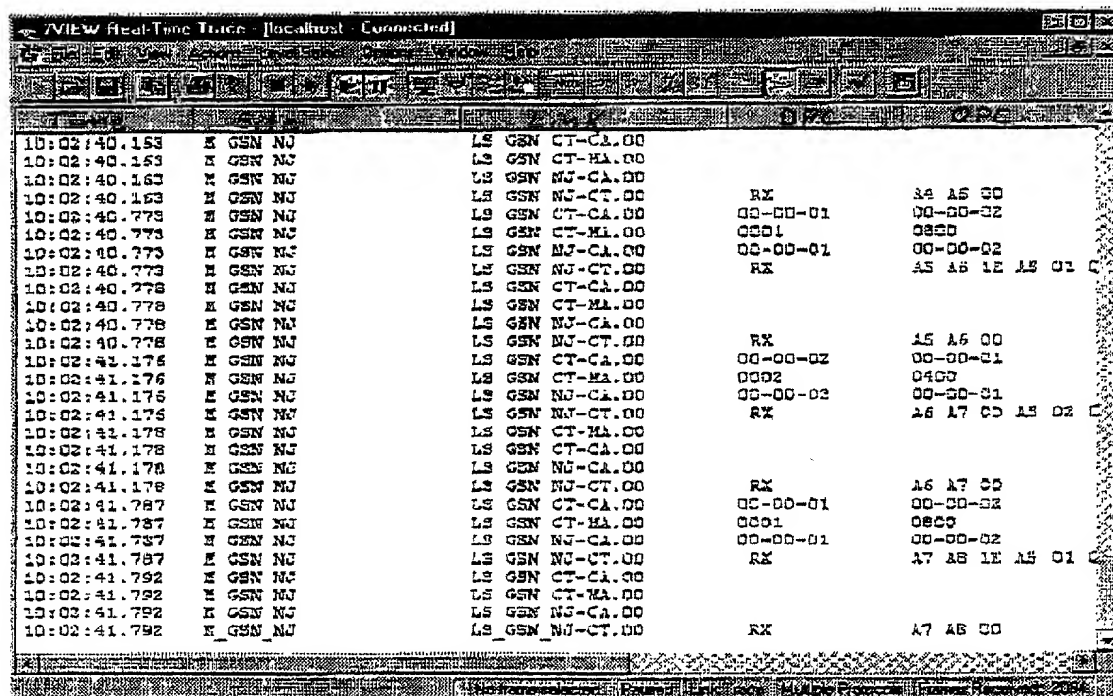


Figure 9-1. Real-Time Trace main window showing a single-line view link trace session with Layer 3 data.

FIG. 6

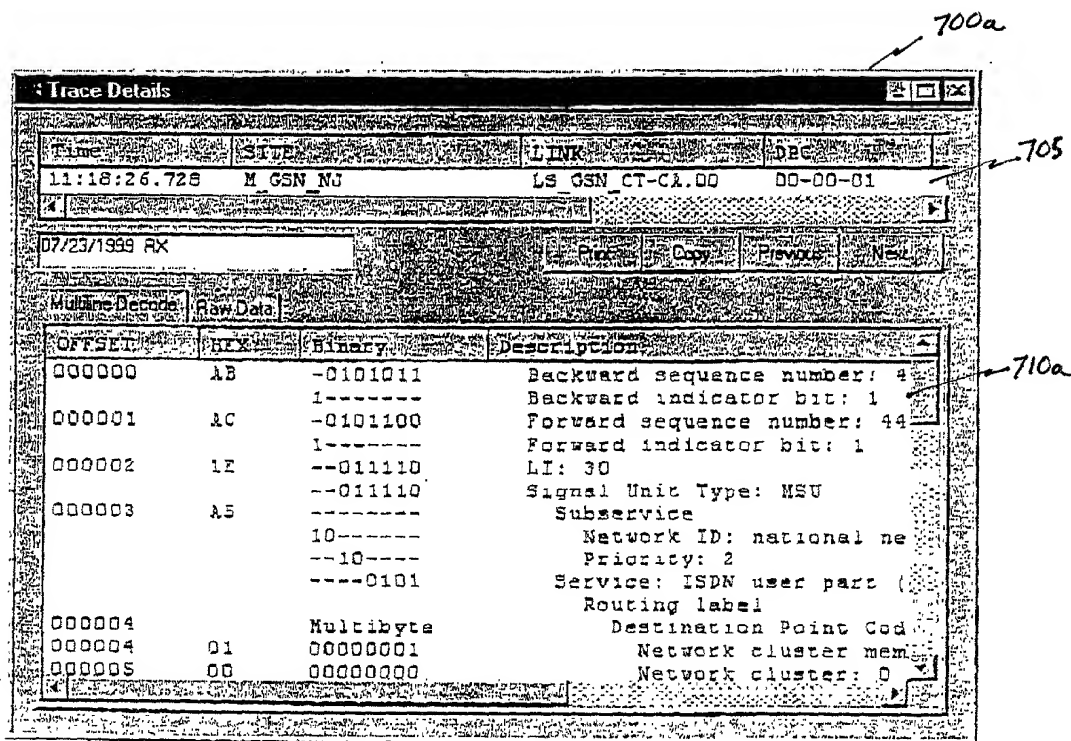


Figure 9-17. Trace Details dialog box showing the Multiline Decode view.

FIG. 7A

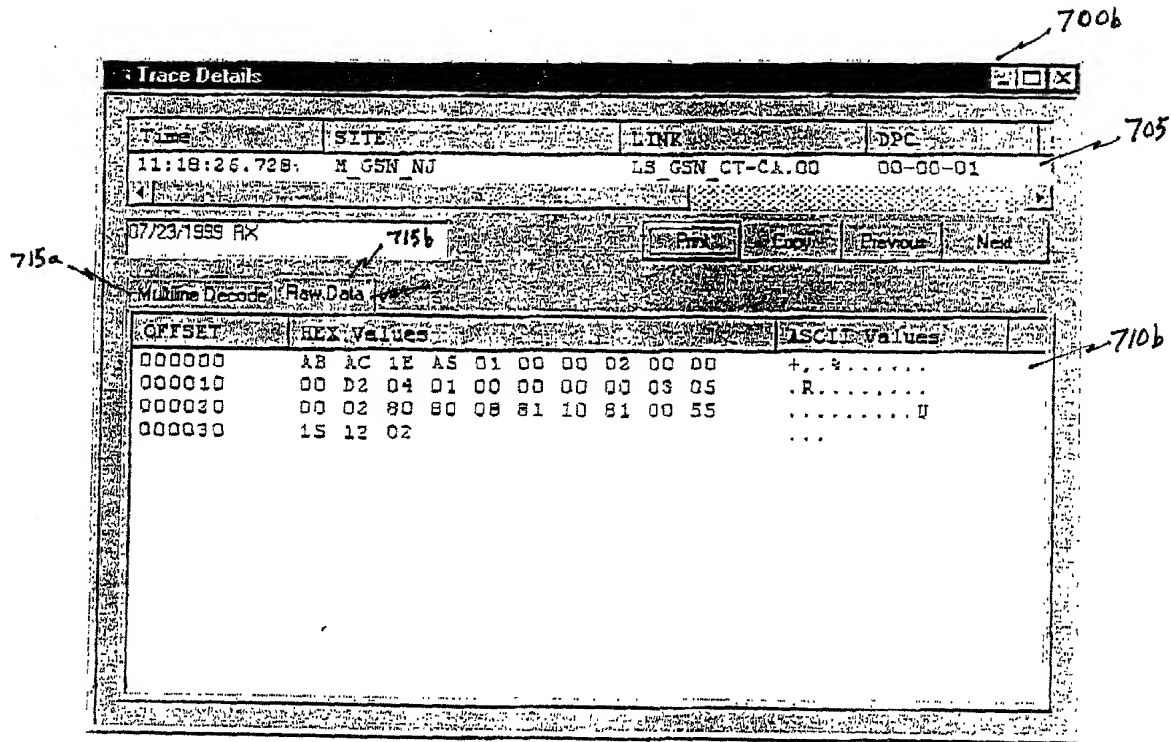


Figure 9-18. Trace Details dialog box showing the Raw Data view.

FIG. 7B


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*initialize(loadDefault : bool = true) : enum ProtocolDecode::DECODE_ERRORS
*getSLColumnCount(protocolName : const CString&, headerType : const CString&, colCount : int&) : enum ProtocolDecode::DECODE_ERRORS
*getSLColumnWidth(protocolName : const CString&, headerType : const CString&, colIndex : const int, colWidth : int&) : enum ProtocolDecode::DECODE_ERRORS
*getSLColumnHeader(protocolName : const CString&, headerType : const CString&, colIndex : const int, colName : CString&) : enum ProtocolDecode::DECODE_ERRORS
*decodeSLColumnHeader(protocolName : const CString&, headerType : const CString&, colIndex : const int, colInfo : LV_COLUMN&) : enum ProtocolDecode::DECODE_ERRORS
*decodeSLColumnText(protocolName : const CString&, headerType : const CString&, colIndex : const int, buffer : CBuffer&, dataOut : CString&) : enum ProtocolDecode::DECODE_ERRORS
*getMLColumnCount(protocolName : const CString&, headerType : const CString&, colCount : int&) : enum ProtocolDecode::DECODE_ERRORS
*getMLColumnWidth(protocolName : const CString&, headerType : const CString&, colIndex : const int, colWidth : int&) : enum ProtocolDecode::DECODE_ERRORS
*getMLColumnHeader(protocolName : const CString&, headerType : const CString&, colIndex : const int, colName : CString&) : enum ProtocolDecode::DECODE_ERRORS
*decodeMLColumnHeader(protocolName : const CString&, headerType : const CString&, colIndex : const int, colInfo : LV_COLUMN&) : enum ProtocolDecode::DECODE_ERRORS
*getMLLineCount(protocolName : const CString&, headerType : const CString&, lineIndex : const int, colIndex : const int, buffer : CBuffer&, dataOut : CString&) : enum ProtocolDecode::DECODE_ERRORS
*getMLColumns(protocolName : const CString&, headerType : const CString&, buffer : CBuffer&, lineCount : int&) : enum ProtocolDecode::DECODE_ERRORS
*defineCustomHeader(protocolName : const CString&, strHeader : CStringArray&) : int
*deleteCustomHeader(protocolName : const CString&, headerName : const CString&, headerArray : CStringArray&) : enum ProtocolDecode::DECODE_ERRORS
*ProtocolDecode(pAppServices : CObject*) : ProtocolDecode

```

Fig. 8